**Instructions for Setting Up a PPP Connection
to the
Corps of Engineers
Philadelphia District**

Please <u>read through the instructions first</u> before beginning the installation and setup process to verify you have all of the required materials and that you do not have any initial questions about the setup process.

I. Before You Start

You must have the following before you can start :

♦ Windows 95 - (CD or Disk)
  ♦ Dial-up Networking must be installed.
The following files can be obtained from the IM Helpdesk :
♦ Banyan Vines Drivers for Windows 95 (1)
♦ Beyond Mail Setup Disks (5)
♦ Banyan Vines DLL Files Disk (1)

II. Getting Started

Important ! : If you do not have Windows 95 installed to the *C:\Windows* directory on your home computer, you must contact the IMO Helpdesk before beginning, as the installation of key files will not work.

File Setup
1. Make sure that you have <u>ALL</u> of the above items in the **Before You Start** section.
2. If you need items from the above section you can contact the IM Helpdesk in the following manner in order to obtain the disks needed for this setup :
In Person : Stephen P Heverin
Phone : 215-656-6778
E-mail : Helpdesk@im@nap
3. If you do not have Dial-up networking installed refer to the section entitled "Dial-Up Networking" in this document for installation instructions.
To check to see if it is installed :
  ♦ Open Control Panel
  ♦ Double Click on the Add /Remove Programs icon.
  ♦ Click on the Windows Setup tab.
  ♦ Click on the Communications component
  ♦ Click on the Details button.
  ♦ If the Dial-Up Networking box is not selected, check it now, and Dial-up Networking will be installed, if it is checked, it is already installed.
  Note : you will need your Windows 95 Disks or CD if you do not have Dial-Up Networking installed.
1. Make sure you have your Windows 95 CD (or disks) handy as installation of the PPP Connection requires files from Windows 95.
2. Insert the disk labeled "*Ban 95 Drivers Disk*".
3. Click on the Start Button.
4. Select Run from the Menu.
5. If your 3.5" Drive is A: In the Dialog box type : *A:\Install.bat*
If your 3.5" Drive is B: In the Dialog box type : B*:\Binstall.bat*
6. Click on OK.
7. A DOS windows will open and a directory and files will be created in your C Drive called *Ban95*. These drivers are necessary in order to connect properly.

8. When installation is done close the DOS Windows by clicking on the "X" button in the upper right corner of the window.
9. Now remove the "*Ban 95 Drivers Disk*" from your floppy drive.
10. Next Insert the "*Beyond Mail DLL Files*" disk into your floppy drive.
11. Click on the Start Button.
12. Select Run from the Menu.
13. If your 3.5" Drive is A: In the Dialog box type: *A:\CopyDLL.bat*
If your 3.5" Drive is B: In the Dialog box type: B *:\BCopyDLL.bat*
14. A DOS windows will open and a directory and files will be copied to your *C:\Windows\System* directory. These drivers are necessary in order for Beyond Mail to operate correctly.
15. When installation is done close the DOS Windows by clicking on the "X" button in the upper right corner of the window

Network Setup
19. Select Settings from the Menu.
20. Select Control Panel from the Settings Menu.
21. After Control Panel opens, Double Click on the Network Icon.
22. The Network Window will open up. You may or may not see a Dial-up adapter installed as well as other components.
23. Remove all components **<u>EXCEPT</u>** the Dial-up adapter. This is by clicking on the component, and then clicking on the Remove button.
24. Once all of the items except the Dial-up adapter are removed, click on the **Add** button.
25. When the Add dialog box comes up, select Client, then click on the Add button.
26. From the list of Protocols, select Microsoft from the window on the left, and then select *TCP/IP* from the window on the right and click on OK.
27. Click on the **Add** button again, select Protocol from the dialog box and click on OK.
28. Click on the Have a Disk button in the lower right corner of the window.
29. You will be prompted with a dialog box asking for the location of the files. Type in the following and then click on OK. : C:\Ban95
30. Next you will see a list of drivers, the first one should say "Banyan Vines Client for Windows 95".
31. Click on that and then Click on the OK button.
32. It will then install the necessary files. You will be prompted for the location of the Banyan and Windows 95 drivers. (*Note :you may not be prompted for these files or in net next step*) When you are first prompted for a files location type in the following and click on OK : *C:\Ban95.*
33. The second time you are prompted for a file location type the following in and click on the OK button : *X:\Win95* (Where X is the letter of your CD-ROM drive, or your floppy drive if you have installed Windows95 by diskette.)
34. From the main network window, if you wish to share folders and printer click on the File and Print Sharing button. If you do not want to share folders or printers proceed to the next step.
   ♦ Check the 2 boxes on the dialog box that come up, then click on the OK button.
   ♦ Next, click on the **Access Control** tab. Make sure that the Radio button **Shared Level Access Control** is selected
35. Next click on the **Identification** tab in the main networking window.
36. For **Computer Name**, use your initials and the word home, for example : Stephen P Heverin would be SPHHome.
37. Next for **Workgroup** specify your office symbol. For example, Engineering Design would be EN-D, IMO would be IM, etc.…
38. **Computer Description** can be anything you want.
39. Click OK.
40. Make sure that the *Windows Logon* is selected as the Primary Network Logon in the main Network window.

Banyan Vines Client Setup

41. Click on *Banyan Vines Client for Windows 95* in the main Network window.
42. In the section under General, uncheck the Common Login box.
43. Next click on the Login Groups tab, in the box next to Group 1, type in your login group. For example : Engineering Design would type in EN-D@NAP, Information Management would type in IM@NAP, etc.…
44. Click on OK.

Client for Microsoft Networks

45. Next select *Client for Microsoft Networks*, and click on the Properties button.
46. Make sure that the Logon to NT box is **NOT** checked. And make sure the Quick Logon radio button is checked.
47. Click on the OK button.

Dial-Up Adapter

48. Next select the Dial-Up adapter from the main Networking window, and click on the Properties button.
49. Click on the Bindings tab and make sure that the *Banyan Vines Protocol for Windows 95* line and the TCP/IP line are both present and the boxes next to them are checked.
50. Click on the OK button.

TCP/IP

51. Select the *TCP/IP* line in the main Networking window, and then click on the Properties button.
52. Under the IP Address tab make sure that the radio button Obtain IP address automatically is selected.
53. Click on the WINS Configuration tab, and make sure that the Disable WINS Resolution radio button is selected and that all other radio buttons are NOT selected.
54. Next click on the Gateway tab and add the following address :   **155.78.100.10**
55. Then click the Add button.
56. Select the DNS Configuration tab next.
57. Select the Enable DNS radio button and enter the following information :
> > > Host : <Computer Name> (This is your computer name you typed in the
> > > Identification tab of the main networking window.)
> > > > Example : SPH IM Home PC.
> > > Domain : nap.usace.army.mil
58. DNS Server Search Order **: 155.78.100.41** , then Click on the Add button.
59. Next click on the Bindings Tab, and make sure that all boxes are checked.(if there are any boxes, there may not be any boxes which is OK.)
60. Click on the OK Button.

Banyan Vine Protocol for Windows 95

61. Select the *Banyan Vines Protocol for Windows 95* and click on the Properties button.
62. Under the General tab make sure that the IP for Windows 95 radio button is selected.
63. Next click on the Server IP Address tab.
64. Under the top section which says Dial-Up IP Addresses, in number two (2) type in the following address : (Depending on which section you are in)

IM, LM	1st No. : 155.78.100.50	2nd No. : 155.78.100.52
OP, EX, HR	1st No. : 155.78.100.53	2nd No. : 155.78.100.57
EN-D, EN-C,EN-EC	1st No. : 155.78.100.51	2nd No. : 155.78.100.59
EN, EN-M,EN-H	1st No. : 155.78.100.59	2nd No. : 155.78.100.51

65. In the bottom of the window make sure that the middle radio button is selected, which says "Locate routing server using Dial-Up addresses only."
66. Click on the OK button.

Now Click on the OK button in the main Networking window.

You will be(*Note :you may not be prompted for these files*) prompted by Windows for files which it needs. First enter C:\Ban95 and click on the OK button, when Windows prompts you again for files, enter X:\Win95 if you are using the Windows95 CD, or enter X:\ if you are using the floppy disk version of Windows 95. (Where X is your CD-ROM or Floppy drive.   **Important : DO NOT SKIP ANY FILES**, as Windows will need all of these files to have this connection function properly.

When Windows 95 is done copying files, you will be prompted to shut down and restart the computer, do so.

III. Login for the first time

You will be prompted for a login name and password when Windows 95 reboot, type in the following login name : REMOTE , and leave the password blank, you will then be prompted to confirm your password, simply click OK to continue. By leaving the password blank you will not be prompted for a password again. (You will not even see the login prompt again whenever you start your computer.)

Setting up Dial-up connection

1.   Click on the Start button, then select Programs, Accessories, Dial-Up Networking.
2.   Double Click on the Make New Connection Icon, this will start the New Connection Wizard.
3.   Type in a name for the connection or leave it as my connection, then click on the Next button.
4.   Type in the Area code and phone number for the Corps, which is : **215-656-6517**.
5.   Click the Next button.
6.   Click the Finish button.
7.   Right Click on the new connection you just made (whatever you called it), and select Properties from the context menu.
8.   When the connection window appears click on the Server Type button.
9.   Make sure that the top window say PPP: Windows 95, Windows NT 3.5, Internet in it. If it does not select that type of dial-up server.
10. Under Advanced options make sure that only the first two boxes are checked.
11. Under Allowed Network Protocols, make sure that **ONLY** TCP/IP is checked.
12. Next click on the TCP/IP Settings button.
13. Make sure that the Server Assigned IP Address and Server Assigned name server addresses radio buttons are selected.
14. Next make sure that the bottom two check boxes are checked (Use IP header compression, and Use default gateway on remote network).
15. Click on the OK button 3 times.

Now you are ready to sign onto the network for the rest of the installation. This is done by double clicking on the dial-up icon you just created. The Connect To windows will appear prompting you for a username and password. To connect to the Corps the Username is Remote and the Password is cenap. Check the Save Password box to save this information so you do not have to type it in each time you want to connect to the Corps. Then click on the Connect button.

Once you are successfully connected to the Corps continue with the rest of the installation. If you are having trouble connecting, review the above instructions to make sure you have not left anything out and that all information is correct. If you cannot connect to the Corps after checking your information, contact the IM Helpdesk.

Important : You must be connected using the dial-up connection in order to continue with the rest of the installation.

IV Setting up Beyond Mail.

1. Insert Disk 1 of the Beyond Mail setup program. Click on the Start button, and click on Run.
2. In the Run dialog box, type the following : X:\setup.exe . (Where X is the letter of the drive the disk is in, usually A or B.)
3. The installation program will start, click on the continue button.
4. Next a window will come up which displays a listing of drives on which you can install Beyond Mail.
5. **DO NOT** install Beyond Mail to any network drives (Any drive letter higher then E). It is recommended that you install Beyond Mail to the C drive. Or if you have a second hard drive you can install it to the D drive. DO NOT install Beyond Mail to the Network.
6. After you select the drive, click on the continue button.
7. A confirmations dialog will come up asking you if you really want to install the program to the drive and directory listed below. Once you have confirmed that it is the correct directory click on the Continue button.
8. Next a window will come up asking you what components you wish to install.
9. Make sure that you **UN-CHECK** the box next to Setup DOS mail client. (This portion of the program is not needed, Click Continue.
10. When you are prompted for the next disk, insert it into the floppy drive. Do this each time it asks for the next disk.
11. Once the program is finished installing, the Add Beyond Mail Mailboxes dialog will come up.
12. Click on the Add from… button.
13. Click on the Streetalk radio selection and click on the OK button.
14. Make sure that your group is correct and the organization is NAP(im@nap).
15. Scroll through the list of names until you see your name. Click on your name and then click on the OK button.
16. Make sure that the Encrypt Beyond Mail Mailboxes button is **UN-CHECKED**. Click on the OK button.
17. Beyond Mail will now build your mailbox.click the OK Button
18. Next you will be asked if you want to rebuild beyond mail users mailboxes, simply Click the OK button.
19. Another will appear giving you status message on the mailbox(s) being built. When it is done the window will flash. Read the output messages carefully and note any messages which state a process *failed* or was *unsuccessful* and write them down. If there were any failed or unsuccessful error message please contact IM Helpdesk.
20. If there were no failed or unsuccessful messages, simply click on the OK button.
21. Another dialog box will appear, click on the OK button.

Beyond Mail has now been setup on your PC. Close out of any programs, logout of the Vines network, and disconnect from the Corps. Make sure that you log out of the Vines network before you click on the disconnect button and disconnect from the Corps. Your computer may behave slowly until it is rebooted if this is not done.

Finally, click on the Start button, select Restart your computer and click on OK. Restarting the computer will allow all of the changes you have made to take effect. You can now connect to the Corps to search the Internet, check mail or access network files.

V Other Information for configuring other Internet Applications

Below is listed other information which you may need in the setup and configuration of other Internet applications, such as Webbrowsers, News clients, etc…

Domain Name Server (DNS) : 155.78.100.41
Domain : nap.usace.army.mil
Gateway : 155.78.100.10
SMTP Server (Mail Server) : NAP41
Internet E-mail address : FirstName.MiddleInitial.LastName@usace.army.mil
        Example : Stephen.P.Heverin@usace.army.mil
POP Server :
POP Username :
News Server (NNTP Address) : NNTP
Host Name : *Same as your computer name.*

VI Some final notes :

Important : DO NOT ATTEMPT TO RUN PROGRAMS SUCH AS WordPerfect FROM THE NETWORK ! YOU MUST HAVE THE PROGRAM INSTALLLED LOCALLY ON YOUR PC TO RUN THE APPLICATION. ATTEMPTING TO RUN ANY PROGRAMS FROM THE NETWORK WILL GIVE THE APPEERENCE THAT YOUR COMPUTER HAS LOCKED UP AND YOU WILL BE FORCED TO REBOOT.

THIS INCLUDES INSTALLATION PROGRAMS ON THE **Y** DRIVE SUCH AS **INTERNET EXPORER !**

If you wish to simply access the Internet when you dial-up to the Corps, <u>you do not have to login to the Vines network</u> once you are connected. Once you are connected on dial-up, TCP/IP is running an you can run any Internet applications you wish.

Please keep in mind the Corps policy on Internet and E-mail usage.

If you have any problems, comments or questions, please contact the IMO Helpdesk.

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